

CONTRIBUTED TALKS C-i

CONTRIBUTED TALKS

C01: FINE TUNING THE ELECTROSTATIC AND DISPERSION INTERACTIONS IN MOLECULAR CLUSTERS

C02: WEAK HYDROGEN BONDS IN FLUORINE SUBSTITUTED BIOMOLECULES

C03: PHOTOIONIZATION-INDUCED LARGE-AMPLITUDE PENDULAR MOTION IN PHENOL⁺-KR

C04: IR-SELECTIVE ISOMERIZATION OF 1-PROPANOL TRAPPED IN FIVE CRYOGENIC MATRICES

C05: WEAK HYDROGEN BONDS AND STEREOCHEMICAL EFFECTS IN THE STRUCTURE AND PHOTOPHYSICS OF QUININE DERIVATIVES IN THE GAS PHASE.

C06: SIZE- AND STATE-SELECTED NEUTRAL MOLECULAR CLUSTERS: PREPARATION OF PURE HYDROGEN-BONDED SAMPLES USING ELECTRIC FIELDS

C07: PHOTOCHEMISTRY OF HYDROGEN BONDED PYRROLE, IMIDAZOLE AND PYRAZOLE CLUSTERS

C08: IS THERE A FINGERPRINT FOR ONSET OF HYDROGEN-BONDING IN A CHEMICAL REACTION? THE ELUSIVE HO₃ RADICAL

C09: ANALYSIS AND QUANTIFICATION OF HYDROGEN BOND STRENGTH BASED ON COSMO POLARIZATION CHARGE DENSITIES

C10: THE DYNAMIC BEHAVIOR OF A LIQUID ETHANOL-WATER MIXTURE: A PERSPECTIVE FROM QUANTUM CHEMICAL TOPOLOGY

C11: NMR STUDY OF HYDROGEN BONDING IN IMIDAZOLIUM BASED IONIC LIQUIDS FORMING LYOTROPIC LIQUID-CRYSTALLINE GELS

CONTRIBUTED TALKS C-ii

C12: SELECTIVE HYDRATION OF KINKED ALPHA-HELICES IN PROTEINS

C13: USE OF DFT CALCULATIONS IN THE HARMONIC AND ANHARMONIC APPROXIMATIONS TO PREDICT IR FREQUENCIES OF HYDROGEN BONDED SYSTEMS.

C14: COOPERATIVITY, ISOMERIZATION, AND MULTIPLE-PROTON TRANSFER ALONG WATER NETWORKS OF 7-AZAINDOLE-(H₂O)_{2,3} CLUSTER IN THE GAS PHASE

C15: IMPACT OF HYDROGEN BONDS ON FREERADICAL POLYMERIZATION KINETICS IN AQUEOUS SOLUTION

C16: MICROHYDRATION OF CONJUGATE BASE ANIONS PROBED BY GAS PHASE VIBRATIONAL SPECTROSCOPY

C17: TWO DIMENSIONAL INFRARED SPECTROSCOPY OF ICE IH

C18: HYDROGEN BONDS AND STRUCTURAL STABILITY / INSTABILITY OF CRYSTALLINE AMINO ACIDS, THEIR SALTS AND DERIVATIVES WITH RESPECT TO VARIATIONS IN TEMPERATURE AND PRESSURE

C19: DO PEPTIDE SEQUENCES SCRAMBLE? SELECTIVE STRUCTURAL INVESTIGATION OF PEPTIDE FRAGMENT IONS WITH COLD ION PHOTOFRAGMENT SPECTROSCOPY

C20: NMR STUDIES OF ACID-BASE INTERACTIONS: FROM HYDROGEN BONDED MODEL SYSTEMS TO PROTEINS